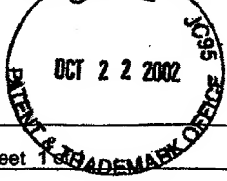


Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)



Complete if Known

| | |
|----------------------|--------------------|
| Application Number | 09/394230 |
| Filing Date | September 13, 1999 |
| First Named Inventor | Gunderson, Kevin |
| Group Art Unit | 1634 |
| Examiner Name | Forman, Betty |

RECEIVED

OCT 25 2002

Sheet 1 of 1

Attorney Docket No: 01451.003US1

TECH CENTER 1600/2900

US PATENT DOCUMENTS

| Examiner Initial * | USP Document Number | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | Filing Date if Appropriate |
|--------------------|---------------------|------------------|---|-------|----------|----------------------------|
| W | US-5,795,714 | 08/18/1998 | Cantor, C. R., et al | 435 | 6 | 08/23/1993 |

FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | T ² |
|---------------------|---------------------|------------------|---|-------|----------|----------------|
| | NONE | | | | | |

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|----------------------|---|----------------|
| W | | BROUDE N. E., et al. "Enhanced DNA Sequencing by Hybridization," <u>Proceedings of the National Academy of Sciences USA</u> , Vol 91, (April 1, 1994) pp. 3072-3076 | |
| | | CRONIN, M.T., et al. "Detection of Cystic Fibrosis Gene Mutations by Hybridization to GeneChip(TM) Probe Arrays", <u>Clinical Chemistry</u> , 40, (1994), 656 | |
| | | GUO, Z., et al. "Direct Fluorescence Analysis of Genetic Polymorphisms by Hybridization with Oligonucleotide Arrays on Glass Supports", <u>Nucleic Acids Research</u> , 22, (1994), 5456-5465 | |
| | | HACIA, J.G., et al. "Detection of Heterozygous Mutations in BRCA1 using High Density Oligonucleotide Arrays and Two-Colour Fluorescence Analysis", <u>Nature Genetics</u> , 14, (Dec., 1996), 441-447 | |

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 393382001600

Application Number 09/394,230

Applicant

Kevin L. GUNDERSON et al.

Filing Date September 13, 1999

Group Art Unit 1643

U.S. PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date | Document No. | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|----------|------------|--------------|------------------|-------|----------|----------------------------|
| M | 1. | 07/03/1984 | 4,458,066 | Caruthers et al. | 536 | 27 | |
| | 2. | 02/19/1985 | 4,500,707 | Caruthers et al. | 536 | 27 | |
| | 3. | 02/16/1988 | 4,725,677 | Köster et al. | 536 | 27 | |
| | 4. | 09/01/1992 | 5,143,854 | Pirrung et al. | 436 | 518 | |
| | 5. | 10/12/1993 | 5,252,743 | Barrett et al. | 548 | 303.7 | |
| | 6. | 01/24/1995 | 5,384,261 | Winkler et al. | 436 | 518 | |
| | 7. | 04/11/1995 | 5,405,783 | Pirrung et al. | 436 | 518 | |
| | 8. | 05/02/1995 | 5,412,087 | McGall et al. | 536 | 24.3 | |
| | 9. | 06/13/1995 | 5,424,186 | Fodor et al. | 435 | 6 | |
| | 10. | 08/29/1995 | 5,445,934 | Fodor et al. | 435 | 6 | |
| | 11. | 09/19/1995 | 5,451,683 | Barrett et al. | 548 | 302.7 | |
| | 12. | 02/06/1996 | 5,489,678 | Fodor et al. | 536 | 22.1 | |
| | 13. | 04/02/1996 | 5,503,980 | Cantor | 435 | 6 | |
| | 14. | 04/23/1996 | 5,510,270 | Fodor et al. | 436 | 518 | |
| | 15. | 06/18/1996 | 5,527,681 | Holmes | 435 | 6 | |
| | 16. | 08/13/1996 | 5,545,531 | Rava et al. | 435 | 6 | |
| | 17. | 11/05/1996 | 5,571,639 | Hubbell et al. | 430 | 5 | |
| | 18. | 02/04/1997 | 5,599,695 | Pease et al. | 435 | 91.1 | |
| | 19. | 04/29/1997 | 5,624,711 | Sundberg et al. | 427 | 261 | |
| | 20. | 10/14/1997 | 5,677,195 | Winkler et al. | 436 | 518 | |
| | 21. | 04/28/1998 | 5,744,101 | Fodor et al. | 422 | 131 | |
| | 22. | 05/19/1998 | 5,753,788 | Fodor et al. | 536 | 22.1 | |
| | 23. | 06/23/1998 | 5,770,722 | Lockhart et al. | 536 | 22.25.3 | |
| | 24. | 06/30/1998 | 5,773,571 | Nielsen et al. | 536 | 360 | |
| | 25. | 07/28/1998 | 5,786,461 | Buchardt et al. | 536 | 18.7 | |
| | 26. | 11/17/1998 | 5,837,832 | Chee et al. | 536 | 22.1 | |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if it does not conform and not considered. Include a copy of this form with next communication to applicant.

MAR 01 2000
TECH CENTER 1600/290

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 393382001600

Application Number 09/394,230

Applicant

Kevin L. GUNDERSON et al.

Filing Date September 13, 1999

Group Art Unit 1643

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

| Examiner Initials | Ref. No. | Title |
|-------------------|----------|--|
| | 44. | Harlow et al. ed. <u>Using Antibodies: A Laboratory Manual</u> . Cold Spring Harbor Laboratory Press (Table of Contents) |
| | 45. | Hermanson. (1996). <u>Bioconjugate Techniques</u> Academic Press. (Title Page and Table of Contents only). |
| | 46. | Jones. (1989). "Preparation of Protected Deoxyribonucleosides," <u>Oligonucleotide Synthesis: A Practical Approach</u> . Gait ed., IRL Press, pp. 23-34. |
| | 47. | Kozal et al. (1996). "Extensive Polymorphisms Observed in HIV-1 Clade B Protease Gene Using High-Density Oligonucleotide Arrays," <u>Nat. Med.</u> 2(7):753-759. |
| | 48. | Kuznetsova et al. (1994). "DNA Sequencing by Hybridization with Gel-Immobilized Oligonucleotides: Expanding Applicability with Chemical Ligation," <u>Mol. Biol. (Mosk.)</u> 28(2):190-195. |
| | 49. | Lipshutz (1993). "Likelihood DNA Sequencing By Hybridization," <u>J. Biomol. Struct. Dyn.</u> 11(3):637-653. |
| | 50. | Lockhart et al. (1996). "Expression Monitoring by Hybridization to High Density Oligonucleotide Arrays," <u>Nat. Biotech.</u> 14:1675-1680. |
| | 51. | Lysov Iu et al. (1988). "A New Method for Determining the DNA Nucleotide Sequence by Hybridization with Oligonucleotides," <u>Dokl. Akad. Nauk SSSR</u> 303:1508-1511. (English translation provided). |
| | 52. | Pease et al. (1994). "Light -Generated Oligonucleotide Arrays for Rapid DNA Sequence Analysis," <u>Proc. Natl. Acad. Sci. U.S.A.</u> 91:5022-5026. |
| | 53. | Sambrook et al. ed. (1989). <u>Molecular Cloning: A Laboratory Manual</u> Second Edition. Cold Spring Harbor Laboratory Press. (Table of Contents only) |
| | 54. | Sanghvi et al. ed. (1994). <u>Carbohydrate Modifications in Antisense Research</u> . ACS Symp. Ser. #580, ACS Washington D.C. (Title Page and Table of Contents only). |
| | 55. | Shabarova. (1988). "Chemical Development in the Design of Oligonucleotide Probes for Binding to DNA and RNA," <u>Biochimie</u> 70:1323-1334. |
| | 56. | Spector et al. ed. <u>Cells: A Laboratory Manual</u> . Cold Spring Harbor Laboratory Press. (Title Page and Table of Contents only) |
| | 57. | Wodicka et al. (1997). "Genome-Wide Expression Monitoring in <i>Saccharmyces cervisae</i> ," <u>Nat. Biotech.</u> 15:1359-1367. |
| | 58. | Young et al. (1983). "Efficient Isolation of Genes by Using Antibody Probes," <u>Proc. Natl. Acad. Sci., U.S.A.</u> , 80:1194-1198. |

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

FEB 20 2000

Docket Number 393382001600

Application Number 09/394,230

Applicant

Kevin L. GUNDERSON *et al.*

Filing Date September 13, 1999

Group Art Unit 1643

FOREIGN PATENT DOCUMENTS

| Examiner Initials | Ref. No. | Date | Document No. | Country | Class | Subclass | Translation YES NO |
|----------------------|-------------|------------|----------------|---------|-------|----------|-----------------------|
| <i>h</i> | 27. | 11/16/1989 | WO 89/10977 A1 | PCT | | | |
| | 28. | 11/30/1989 | WO 89/11548 A1 | PCT | | | |
| | 29. | 12/13/1990 | WO 90/15070 A1 | PCT | | | |
| <i>h</i> | 30. | 06/25/1992 | WO 92/10092 A1 | PCT | | | |

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

| Examiner Initials | Ref. No. | Title |
|----------------------|-------------|--|
| <i>h</i> | 31. | Ausubel et al. ed. (1996) <u>Current Protocols in Molecular Biology</u> John Wiley and Sons, Inc. (Table of Contents only). |
| | 32. | Atkinson et al. (1989). "Solid-Phase Synthesis of Oligodeoxyribonucleotides by the Phosphitetriester Method," <u>Oligonucleotide Synthesis: A Practical Approach</u> Gait. ed., IRL Press. pp.: 35-81. |
| | 33. | Bains et al. (1988). "A Novel Method for Nucleic Acid Sequence Determination," <u>J. Theor. Biol.</u> 135:303-307. |
| | 34. | Berger et al. (1987). "Guide to Molecular Cloning Techniques," <u>Methods In Enzymology</u> Academic Press, Inc. vol. 152. (Title Page and Table of Contents only) |
| | 35. | Birren et al. ed. <u>Genome Analysis: A Laboratory Manual Series (Vol. H)</u> Cold Spring Harbor Laboratory Press. (Title Page and Table of Contents only) |
| | 36. | Chee et al. (1996). "Accessing Genetic Information With High-Density DNA Arrays," <u>Science</u> 274:610-614. |
| | 37. | Cronin et al. (1996). "Cystic Fibrosis Mutation Detection by Hybridization to Light-Generated DNA Probe Arrays," <u>Hum. Mutat.</u> 7:244-255. |
| | 38. | Crooke et al. ed. (1993). <u>Antisense Research and Application</u> CRC Press. (Title page and Table of Contents only) |
| | 39. | Dieffenbach et al. ed. (1995). <u>PCR Primer: A Laboratory Manual</u> Cold Spring Harbor Laboratory Press (Title Page and Table of Contents only) |
| | 40. | Drmanac et al. (1989). "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method," <u>Genomics</u> 4:114-128. |
| | 41. | Fodor et al. (1993). "Multiplexed Biochemical Assays with Biological Chips," <u>Nature</u> 364:555-556. |
| | 42. | Froehler et al., (1986). "Nucleoside H-Phosphonates: Valuable Intermediates in the Synthesis of Deoxyoligonucleotides," <u>Tetrahedron Letters</u> 27(4):469-472. |
| <i>h</i> | 43. | Hames et al. ed. (1985) <u>Nucleic Acid Hybridisation: A Practical Approach</u> IRL Press, Ltd. (Title Page and Table of Contents only) |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.